



GEO Task US-09-01A: Critical earth observations priorities. Health societal benefit area: Aeroallergens

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Abstract:

The goal of GEO Task US-09-01a is to identify critical Earth observations for various societal benefit areas (SBAs). This analysis focuses on identifying end user requirements for the Health SBA- Aeroallergens Sub-Area, which addresses airborne substances such as pollen and spores. The task was supported by an Analyst and a 16-member Advisory Group, representing 12 GEO countries and spanning four continents. The team identified documents specifying Earth observation requirements related to aeroallergens.

Source: http://sbageotask.larc.nasa.gov/Aeroallergens_US0901a-FINAL.pdf

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Meteorological Factors, Precipitation, Temperature

Air Pollution: Allergens, Ozone, Particulate Matter, Other Air Pollution

Air Pollution (other): SO_x; NO_x

Temperature: Fluctuations

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Injury, Respiratory Effect, Other Health Impact

Respiratory Effect: Asthma, Upper Respiratory Allergy, Other Respiratory Effect

Respiratory Condition (other) : Allergic rhinitis

Other Health Impact: Emergency room visits

Model/Methodology: ☒

type of model used or methodology development is a focus of resource

Methodology

Population of Concern: A focus of content

Population of Concern: ☒

populations at particular risk or vulnerability to climate change impacts

Children

Resource Type: ☒

format or standard characteristic of resource

Research Article, Review

Timescale: ☒

time period studied

Time Scale Unspecified